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#### ABC LABORATORIES, INC. EAST 4922 UNION AVENUE SPOKANE, WA 99219 509-534-0161

REPORT TO: Spokane County Dept. of Utilities

N. 811 Jefferson

Spokane, WA 99210

LAB NO: 33441-90

DATE: 4-21-90

SAMPLE DATE: April 1990

ATTN:

Bruce Austin

P.0.#:

DESCRIPTION: Perform Volatile Organic Scan on submitted samples from the wells in the Colbert Landfill

area. Analyses performed by methods outlined in proposal of December 8th, 1988.

DETECTION LIMITS: 1 part per billion

ND: Not Detected

This document contains six pages.

Respectfully Submitted, ABC LABORATORIES, INC.

W.E. Burkhardt

Manager

**USEPA SF** 

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Spokane County Dept. of Utilitie	3					
Lab NO. 33441-90	(b) (6)				(b) (6)	
NAME	(5) (5)		Batty	Batty	(b) (d)	
WELL NO	407714	4555	Springs	Springs		
WELL NO.	1073J-1	1573Ř-2	1073C-1	1073C-1	1073E-1	1073E-1
				Confirming		Confirming
Chloreform	ND	NĎ	ND	ND	ND	ND
1,1-Dichloreethane	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND
Trichloreethylene	ND	ND	ND	NĎ	ND	NĎ
1,1,1-Trichlereethane	ND	NĎ	17	18	5	6
Tetrachloroethylene	ÑĎ	ND	ND	ND	NĎ	NĎ
Methylene Chloride	ND	ND	ND	NĎ	ND	NĎ
1 - Pentene	ND	ND	ND	ND	NĎ	ND
Cyclopentene	ND	NĎ	ND	ND	ND	ND
Trans 2-Hexene	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	NĎ	ND	ND
Ethylene DiBromide	ND	ND	ND	ND	ND	ND
Ethyl Benzene	ND	ND	ND	ND	ND	ND
M-xylene	ND	ND	ND	ND	ND	ND
0-xylene	ND	ND	ND	ND	ND	NĎ
P-xylene	ND	ND	ND	ND	ND	ND
Cumene	ND	ND .	ND	ND	ND	ND
1,2,4-Trimethyl Benzene	ND	ND	ND	ND	ND	NĎ
P-cymene	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
M-dichlorobenzene	ND	ND	ND	ND	ND	ND
O-dichlorobenzene	ND	NĎ	ND	ND	ND	ND
P-dichlorobenzene	ND	ND	ND	. ND	ND	ND
Methyl Ethyl Ketone	ND	ND	ND	ND	ND	ND
Acetone Bromodichloromethene	ND	ND	ND	ND	ND	ND
Bromoform	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
Carbon Tetrechloride	ND	ND	ND	ND	ND ND	ND ND
Dibromochloromethene	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-Dichloropropene	ND	ND	ND	NĎ	ND	ND
Cia 1,3-Dichloropropylene	NĎ	ND	ND	ND	ND	ND
Trans 1,3-Dichloropropylene	NĎ	ND	ND	NĎ	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	NĎ	ND	ND
1,1,2,-richloroethane	ND	ND	ND	ND	NĎ	ND
2-Chloroethylvinyl Ether	ND	ND	ND	ND	ND	ND

Spokene County Dept. of Utilities Leb NO. 33441-90						
NAME	(b) (6)					
WELL NO.	0273D-1	02730-3	1573C-13	1073P-2	0273E-2	2373M-1
Chloroform 1,1-Dichloroethane 1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND
Trichloreethylene 1,1,1-Trichloreethene Tetrachloreethylene Methylene Chloride	ND ND ND ND	ND ND ND	ND ND ND ND	ND ND ND ND	ND ND ND ND	ND ND ND ND
1 - Pentene	ND	ND	ND	ND	ND	ND
Cyclopentane	ND	ND	ND	ND	ND	ND
Trans 2-Hexene	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND
Ethylene Di Bromide	ND	ND	ND	ND	ND	ND
Ethyl Benzene	ND	ND	ND	ND	ND	ND
M-xylene	ND	ND	ND	ND	ND	ND
0-xylene	ND	ND	ND	ND	ND	ND
P-xylene	ND	ND	ND	ND	ND	ND
Cumene	ND	ND	ND	ND	ND	ND
1,2,4-Trimethyl Benzene	ND	ND	ND	ND	ND	ND
P-cymene Chlorobenzene M-dichlorobenzene O-dichlorobenzene	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND
P-dichlorobenzene Methyl Ethyl Ketone Acetone Bromodichloromethene	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND
Bromoform Carbon Tetrachloride Dibromochloromethane 1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethans Trans 1,2-Dichloroethylens 1,2-Dichloropropans Cls 1,3-Dichloropropylens	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND
Trans 1,3-Dichloropropylene 1,1,2,2-Tetrachloroethane 1,1,2,-richloroethane 2-Chloroethylvinyl Ether	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND

Spokene County Dept. of Utilitie	68					
Leb NO. 33441-90 NAME	(b) (6)					
WELL NO.	1573C-11	1073E-2	1073E-2 Confirming	14730-2	1573K-1	037 <b>3</b> A-4
Chloroform 1,1-Dichloroethane 1,1-Dichloroethylene	ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND	ND ND ND
Trichloreethylene	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane Tetrachloroethylene	ND ND	19	22	ND	ND	ND
Methylene Chloride	ND	ND ND	ND ND	NĎ	ND	ND
1 - Pentene	ND	ND	ND	<b>nd</b> Nd	ND ND	ND
Cyclopentane	ND	ND	ND	ND	ND	ND ND
Trans 2-Hexene	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND
Ethylene DiBromide	ND	ND	ND	ND	ND	ND
Ethyl Benzene	ND	ND	ND	ND	ND	ND
M-xylene	ND	ND	ND	ND	ND	ND
0-xylene	ND	ND	ND	ND	ND	ND
P-xylene	ND	ND	ND	ND	ND	ND
Cumene	ND	ND	ND	ND	ND	ND
1,2,4-Trimethy) Benzene	ND	ND	ND	ND	ND	ND
P-cymene	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
M-dichlorobenzene	ND	ND	ND	ND	ND	ND
O-dichlorobenzene	ND	ND	ND	ND	ND	ND
P-dichlorobenzene	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	ND	ND	ND	ND	ND	ND
Acetone Bromodichloromethane	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND ND	ND ND	ND ND	ND	ND	ND
Dibromochloromethene	ND	ND	ND ND	ND ND	ND ND	ND ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethene	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND
1,2-Dichioropropane	ND	ND	ND	ND	ND	ND
Cis 1,3-Dichloropropylene	ND	ND	ND	ND	ND	ND
Trans 1,3-Dichloropropulene	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	NĎ	ND
1,1,2,-richloroethene	ND	ND	ND	ND	ND	ND
2-Chloreethylvinyl Ether	ND	ND	ND	ND	ND	ND

Spokene County Dept. of Utilities Leb NO. 33441-90 (b) (6)						
NAME	(b) (6)			(b) (6)		Travel Blank
WELL NO.	1573C-7	0273D-3	1073K-1	1073K-1 Confirming	L 1673H-1	4/19/90
Chloroform 1,1-Dichloroethane 1,1-Dichloroethylene Trichloroethylene 1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND
	ND	ND	9	9	ND	ND
	ND	ND	8	9	ND	ND
	ND	ND	ND	ND	ND	ND
	ND	ND	114	120	ND	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND
1 - Pentene	ND	ND	ND	ND	ND	ND
Cyclopentane	ND	ND	ND	ND	ND	ND
Trans 2-Hexens	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND
Ethylene DiBromide	ND	ND	ND	ND	ND	ND
Ethyl Benzene	ND	ND	ND	ND	ND	ND
M-xylene	ND	ND	ND	ND	ND	ND
0-xylene	ND	ND ·	ND	ND	ND	ND
P-xylene	ND	ND	ND	ND	ND	ND
Cumene	ND	ND	ND	ND	ND	ND
1,2,4-Trimethyl Benzene	ND	ND	ND	ND	ND	ND
P-cymene Chlorobenzene M-dichlorobenzene O-dichlorobenzene	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND
P-dichlorobenzene	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane Trans 1,2-Dichloroethane Trans 1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane Cis 1,3-Dichloropropylene Trens 1,3-Dichloropropylene 1,1,2,2-Tetrechloroethane	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND
1,1,2,-richloroethane	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	ND	ND	ND	ND	ND	ND

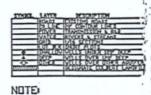
#### AREA 05-01-89 PERFORMANCE STANDARDS \* Health Protection Levels are not to be exceeded, during operational life of remedial action in efficients from groundwater treatment systems, Permanent substitutions of contaminant concentrations below these-levels throughout the site will indicate completion of the remedial action. NOTE FOR IDONIDIDATION OF VILLS Maximum Concentration Contaminant parts per billion (ug/1) · Basis 1,1,1-Trichloroethane (TCA) 200.0 HCL 1.1-Dichloroethylene (DCE) 7.0 HCL 1,1-Dichloroethane (DCA) 4050-0 MAG TrichToroethyTene (TCE) 5.0 HCL HCL . 10 -8 cancer risk Tetrachloroethylene (PCE or TETRA CL) 0.7 Hethylene Chloride (HC) 2.5 10 -5 cancer risk (b) (6) 02730-3 M0 M0 M0 M0 H0 H0 02730-1 M0 M0 M0 M0 H0 H0 اآد гффз (h) (6) 93441-90 WELL 8 111-TCA 11-DCE İİ T 11 iii iil ii ii (b) 21, 90 8, 33441-90 ii 1 1 1 343 APR 21. 90 8 33441-90 MELL 8 111-TGA 11-0CE 3A 2A 5

AREA 05-01-89

PERFORMINGE STANDARDS

HAXIDAM ALLOHABLE CONTAHINANT CONCENTRATIONS





Health Protection Levelat

Health Protection Levels are not to be exceeded, during operational life of remedial action in effluents from groundwater treatment systems. Persanent reduction of contaminant concentrations below these levels throughout the site will indicate completion of the remedial action.

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The same arrow have a second	Contaminant	parts per billion	(ug/1) · Basis	
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	Tetrachloroethylene			
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